

JILEK, L.

Effect on reactions of four-week old rats to ligation of the carotid artery. Cesk. fysiol. 8 no.3:206-207 Apr 59.

l. Fysiologicky ustav lek. fak. KU. Praha. Predneseno na III. fysiologickych dnech v Brne dne 13. 1. 1959.  
(ARTERIES, CAROTID, physiol.  
eff. of ligation in young rats (Cz))

JILEK, L.; TROJAN, S.

Changes of the temperature and  $pO_2$  in the cerebral cortex during nitrogen, oxygen and carbon dioxide respiration during the course of ontogenesis. Cesk. fysiol. 8 no.3:412-413 S '59

1. Fysiologicky ustav Fak. vseob. lek. KU, Praha.  
(CEREBRAL CORTEX physiol.)  
(RESPIRATION physiol.)  
(NITROGEN eff.)  
(OXYGEN eff.)  
(CARBON DIOXIDE eff.)

JILEK, L.; TROJAN, S.

Effect of the resistance to positive acceleration in rats. Cesk.  
fysiol. 9 no.1:20-21 Ja 60.

1. Fysiologicky ustav fak. vseob. lek. KU, Praha.  
(ACCELERATION)

TROJAN, S.; JILEK, L.

Changes in the resistance of the cerebral cortex and cardiac and respiratory frequency during nitrogen, oxygen, and carbon dioxide respiration during rat ontogenesis. Cesk. fysiol. 9 no.1:60-61  
Ja 60.

1. Fysiologicky ustav lek. fak. KU, Praha.  
(CEREBRAL CORTEX, physiol.)  
(HEART physiol.)  
(RESPIRATION physiol.)  
(NITROGEN)  
(OXYGEN)  
(CARBON DIOXIDE)

JILEK, L.; TROJAN, S.

Survival of certain spinal reflexes in decapitated rats during  
the course of ontogenesis. Cesk.fysiol. 9 nc.3;239-240 My '60.

1. Fysiologicky ustav fak. vseob. lek. KU, Praha.  
(REFLEX)  
(CENTRAL NERVOUS SYSTEM physiol)

JILEK, L.

Reactions of the organisms to cerebral ischemia during the course of ontogenesis. VII. Effect of cerebral oligemia on the resistance of rats to altitude hypoxia during the course of postnatal life.  
Sborn.lek. 62 no.2:51-55 F '60.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta prof.dr. Frant. Karassek.  
(ANOXIA exper.)  
(BRAIN blood supply)  
(AGING eff.)

TROJAN, St.; JILEK, L.

Survival of spinal reflexes and of activities of the spinal center  
after the decapitation of rats during the course of ontogenesis.  
Sborn.lek. 62 no.9:263-271 S '60.

1. Fyziologicky ustav fakulty vseobecnego lekarstvi University  
Karlovych v Praze, prednosta prof. dr. F.Karasek.  
(SPINAL CORD physiol)  
(RESPIRATION physiol)  
(BRAIN physiol)

JILEK, L.; TROJAN, St.

Effect of cooling and of hyperglycemia on the survival of spinal reflexes and activities of the respiratory center after the decapsulation of rats during the course of ontogenesis. Sborn.lek. 62 no.9:272-279 S '60.

1. Fysiologicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. F.Karasek.  
(BRAIN physiol)  
(SPINAL CORD physiol)  
(HYPOTHERMIA induced exper)  
(RESPIRATION physiol)  
(BLOOD SUGAR)

TROJAN, St.; JILEK, L.

Effect of a malonate and of moniodoacetic acid on the survival  
of spinal reflexes and activities of the respiratory center in  
decapitated rats during the course of entogenesis. Sborn.lek.62  
no.12:350-357 D '60.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze, prednosta prof.dr. Fr.Karasek.

(MALONATES pharmacol)

(IODOACETATES pharmacol)

(SPINAL CORD pharmacol)

(RESPIRATION physiol)

TROJAN, S.; JILEK, L.

Procedures affecting the resistance of rats to positive acceleration  
during ontogeny. Physiol Bohemoslov 10 no.5:467-473 '61.

1. Institute of Physiology, Faculty of General Medicine, Charles  
University, Prague.

(ACCELERATION) (AGING)

JILEK, L.; MARES, P.

Effect of body temperature on the resistance of young rats to  
cerebral oligemia. Cesk.pediat.16 no.2:115-121 F '61.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi KU v Praze.  
(BRAIN blood supply)  
(BODY TEMPERATURE)

JILEK, L.; TROJAN, SI

The effect of chlorpromazine and pentobarbital on the survival of spinal reflexes and activity of the respiration center in rats decapitation in the course of ontogenesis. Sborn. lek. 63 no.9: 277-284 S '61.

1. Fyziologicky ustav fakulty vseobecneho lekarstv University Karlovy v Praze, prednosta prof. Fr. Karasek.  
(CHLORPROMAZINE pharmacol.) (PENTOBARBITAL pharmacol.)  
(SPINAL CORD pharmacol.) (MEDULLA OBLONGATA pharmacol.)  
(AGING physiol.)

JILEK, L.; FISCHER, J.; TROJAN, S.

Higher nervous activity changes under the influence of positive acceleration in rats of various ages. Activ. nerv. sup. 4 no.2:128-219 '62.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi Karlovy university v Praze.

(CENTRAL NERVOUS SYSTEM physiol) (ACCELERATION)  
(AGING) (ANOXIA exper) (REFLEX CONDITIONED)

KRULICH, L.; JILEK, L.; TROJAN, S.

The effect of oligaemia on the content of glycogen and lactic acid  
in the brain of the rat during ontogeny. Physiol. Bohemoslov. 11  
no.1:58-63 '62.

I. Institute of Physiology, Faculty of General Medicine, Charles Uni-  
versity, Prague.

(GLYCOGEN metab) (LACTATES metab) (BRAIN metab)  
(AGING) (BRAIN blood supply)

TROJAN, S.; JILEK, L.

The effect of monoiodacetic acid on resistance to stagnant anoxia during development of the rat. Physiol. Bohemoslov. 11 no.2:142-148 '62.

1. Institute of Physiology, Faculty of General Medicine, Charles University, Prague.

(ANOXIA experimental) (CARBOHYDRATES metabolism)  
(IODOACETATES pharmacology)

JILEK, L.; TROJAN, S.

Changes in the resistance against acceleration stress after  
intervention on the central nervous system in ontogenesis in rats.  
Sborn. lek. 44 no.2:57-60 F '62.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze, prednosta prof. MUDr. F. Karasek.  
(CENTRAL NERVOUS SYSTEM physiology) (ACCELERATION)

JILEK, L.; KRULICH, L.; TROJAN, S.

On the problem of metabolic adaptation of nervous tissue to hypoxia  
during the course of ontogenesis. *Sborn. lek.* 64 no.5:129-135 My '62.

Fyziologicky ustav fakulty vseobecneho lekarstvi University Karlovy  
v Praze, prednosta prof. dr. Fr. Karasek, DrSc.

(ANOXIA experimental) (BRAIN metabolism)  
(GLYCOGEN metabolism) (LACTATES metabolism)  
(GLUCOSE metabolism)

TROJAN, S.; JILEK, L.

Changes in the resistance of rats to stagnation anoxia after ligation  
of the carotid artery in the course of ontogenesis. Sborn. lek. 64  
no.6:188-192 Je '62.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi Karlovy university  
v Praze, prednosta prof. dr F. Karasek.  
(CAROTID ARTERIES physiol) (CEREBRAL ANOXIA exper)

TROJAN, S.; JILEK, L.

Differences in influencing the course of anoxia and hypoxia of the central nervous system in ontogenesis. Sborn. lek, 64 no.10:304-310 0 '62.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. Fr. Karasek, DrSc.  
(ANOXIA) (BRAIN) (AGING) (CHLORPROMAZINE)  
(PENTOBARBITAL) (HYPOGLYCEMIA)

FISCHER, Jindrich; JILEK, Lubor; TROJAN, Stanislav

Reversibility of histopathological changes in the CNS caused by  
stagnation anoxia in ontogenesis in rats. Cas. lek. cesk. 101  
no.21:650-654 My '62.

I.. Neurohistologicka laborator II. patologickanatomickeho ustavu  
fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr.

V. Jedlicka, DrSc. -- Fyziologicky ustav fakulty vseobecneho lekarstvi  
KU v Praze, prednosta prof. dr. Fr. Karasek, DrSc.

(CENTRAL NERVOUS SYSTEM pathol)

(CEREBRAL ANOXIA exper) (ISCHEMIA exper)

JILEK, Lubor; TRAVNICKOVA, Eliana; TROJAN, Stanislav

Changes in higher nervous activity after hypoxic injury to the brain in an early postnatal period. Cas. lek. cesk. 101 no.21: 656-659 My '62.

1. Fyziologicky ustav fakulty všeobecného lékařství KU v Praze,  
prednosta prof. dr. Fr. Karásek, DrSc.  
(CENTRAL NERVOUS SYSTEM pathol)  
(CEREBRAL ANOXIA experimental)

JILEK, L.; KRULICH, L.; TROJAN, S.

The effect of sodium arsenate on the survival of spinal reflexes and the activity of the respiratory centre after decapitation in rats during their postnatal development.  
Physiol. bohemoslov. 12 no. 3:242-247 '63.

1. Institute of Physiology, Faculty of General Medicine, Charles University, Prague.

(ARSENIC) (BODY TEMPERATURE) (REFLEXES)  
(NERVE TISSUE) (SPINAL NERVES) (REBBS CYCLE)  
(CARBOHYDRATE METABOLISM) (ANOXIA)

JILEK, L.; TROJAN, S.

Influences on resistance of the body against oligemia and ischemia  
of the CNS during the course of ontogenesis. Cesk. pediat. 18 no.1:  
26-32 Ja '63.

1. Fyziologicky ustav fakulty všeobecného lekarství KU v Praze, přednosta  
prof. dr. Fr. Karásek, DrSc.  
(HYPERGLYCEMIA)      (CHLORPROMAZINE)      (PENTOBARBITAL)  
(ANOXIA)            (AGING)                (CENTRAL NERVOUS SYSTEM)

JILEK, L.; TROJAN, S.

Effect of sodium malonate and monoiodacetic acid on the  
resistance of rats to oligemia of the central nervous system  
during the course of ontogenesis. Sborn. lek. 65 no.8/9:  
248-252 Ag '63.

1. Fyzicologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze, prednosta prof. dr. F. Karasek, DrSc.  
(MALONATES) (IODOACETATES)  
(CAROTID ARTERIES) (CEREBRAL ANOXIA)  
(CEREBROVASCULAR DISORDERS) (AGING)  
(CENTRAL NERVOUS SYSTEM)  
(ADAPTATION, PHYSIOLOGICAL)  
(ANIMALS, NEWBORN)

TROJAN, S.; JILEK, L.

The consequences of repeated exposure to stagnation anoxia during early postnatal development of the rat. Physiol. Bohemosl. 13 no. 4:473-477 '64.

I. Institute of Physiology, Faculty of General Medicine,  
Charles University, Prague.

JILEK, L.; TROJAN, S.

The effect of repeated intraperitoneal glucose administration during early postnatal development on resistance of the central nervous system to anoxia. Physiol. Bohemosl. 13 no.5:504-509 '64.

1. Institute of Physiology, Faculty of General Medicine, Charles University, Prague.

JILEK, L.; TROJAN, S.

Sequelae of elimination of rostral segments of the brain during  
the course of ontogenesis in rats. Sborn. lek. 65 no.8/9:  
261-267 Ag '63.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze, prednosta prof. dr. F. Karasek, DrSc.

(AGING) (CORPUS CALLOSUM)

(CEREBRAL VENTRICLES) (CAUDATE NUCLEUS)

(BRAIN) (NEUROSURGERY) (CEREBRAL CORTEX)

(ANIMALS, NEWBORN)

JILEK, Lubor; PRENOSIL, Josef; KLIKA, Eduard; HOMOLKA, Jiri; KREN, Vladimir;  
MYSLIVECKOVA, Alena.

Principle of a single function, structure and chemism of living  
matter. Acta Univ. Carol. [med.] (Praha) 10 no.8:575-587 '64

1. Fysiologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze (prednosta prof. MUDr. F. Karasek, DrSc.);  
Katedra dialektickeho a historického materialismu fakulty vse-  
obecneho lekarstvi University Karlovych v Praze (vedouci prof.  
RSDr. J. Prenosil, CSc.); Histologicky ustav fakulty vseobecneho  
lekarstvi University Karlovych v Praze (prednosta akademik J. Wolf);  
Laboratorni oddeleni polikliniky v Praze 2 (vedouci prof. MUDr.  
J. Homelka, DrSc.) a Biologicky ustav fakulty vseobecneho lekarstvi  
University Karlovych v Praze (prednosta prof. MUDr. RNDr. B. Sekla,  
DrSc.).

TROJAN,S.; JILEK,L.

Effect of surgical damage to the brain on the survival of spinal reflexes after decapitation during the course of ontogenesis in rats. Sborn. lek. 66 no.3:70-74 F'64.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze; prednosta: prof.dr. F.Karasek, DrSc.

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JILEK, L.; TROJAN,S.; TRAVNICKOVA,E.

The reaction and adaptation of the organism to anoxia. Activ.  
nerv. sup. (Praha) 7 no.2:132-134 '65

1. Physiological Institute, Faculty of General Medicine, Charles  
University, Prague. 2. Jilek's address: Praha 2, Albertov 5.

TROJAN,S.; JILEK, L.

The effect of hypothermia on the CNS resistance against ischemia  
during ontogenesis in the rat. Sborn. lek. 67 no.4:127-132  
Ap'65.

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University  
Karlovych v Praze (prednosta: prof. dr. F. Karasek, DrSc.).

L 12972-66 EWT(1)/FS(v)-3 SCTB DD	SOURCE CODE: CZ/0079/65/007/002/0132/0134 27 B
ACC NR: AP6005631	AUTHOR: Jilek, L.; Trojan, S.; Travnickova, E.
ORG: Physiological Institute, Faculty of General Medicine, Charles University, Prague	TITLE: Reaction and adaptation of the organism to anoxia? [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]
SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 132-134	TOPIC TAGS: anoxia, rat, central nervous system, biologic metabolism
ABSTRACT: Newborn animals show a great resistance to anoxia. Experiments were conducted on rats, with anoxia caused by radial acceleration of 10G in a centrifuge. The resulting stagnant anoxia stops the supply of oxygen, nutrients, electrolytes, water, etc. The reaction to this depends on the extent of energy stored in the CNS, specifically tissue glycogen, free glucose, and F, the intensity and quality of metabolism in the CNS, and the accumulation of catabolites, and pH changes. The brain tissue of the youngest rats is more resistant to pH changes, has a low intensity of metabolism, ability to use anaerobic glycolysis for energy source, and is subject to different effects of catabolites. Repeated exposure to stagnant anoxia can result in adaptation. In adapted animals hypoxic changes of the EEG are shorter than in controls. Orig. art. has: 2 figures. [PRS]	
SUB CODE: 06 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 002 Card 1/1 HU	

FISCHER, Jindrich; JILEK, Lubor .

The reaction of ganglion cells of the cerebral cortex, putamen and pallidum to stagnant anoxia during ontogeny. (An experimental study). Acta Univ. Carol. [med.] (Praha) 11 no.1:39-58 '65.

1. Neuropathological Laboratory, 2nd Pathological Institute, Faculty of General Medicine, Charles University, Prague (Head Prof. MUDr. V. Jedlicka, DrSc.) and Physiological Institute, Faculty of General Medicine, Charles University, Prague (Head Prof. MUDr. F. Karasek, DrSc.).

CZECHOSLOVAKIA

JILEK, L.; TROJAN, S.; Department of Physiology, Faculty of General Medicine of Charles University (Fysiologicky ustav FVL UK), Prague.

"Development of Resiliency in Puppies to Positive Radial Acceleration."

Prague, Ceskoslovenska Fysiologie, Vol 14, No 5, Oct 1965; p 351.

Abstract: Study in 86 puppies aged 1 to 86 days at 22° C, with stagnation anoxemia under 10 g on special centrifuge. The resistance correlated with phylogenesis; the central nervous system of Rana esculenta was 30 times more resistant to ischemia than that of mammals; CNS of dogs was 64% less resistant than that of rats, the difference being greatest at birth and disappearing after the 22nd day of age. 2 Western, 1 Czech reference, graph. Paper presented at the 15th Physiology Days, Olomouc, 28 May 65.

1/1

JILEK, M.; SOBRA, J.

Coincidence of malignancy in Recklinghausen's neurofibromatosis.  
Cesk. derm. 40 no.6:402-407 D '65.

1. I. dermatovo-venerologicka klinika (prednosta prof. dr. J. Konecny, DrSc.) a III. interni klinika (prednosta akademik J. Charvat) fakulty vseobecneho lekarstvi Karlovy University v Praze.

JILEK, M.; LIKAR, O.

Statistical methods to determine tolerances. p. 450

PRUMYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu) Praha, Czechoslovakia.  
Vol. 9, no. 9, Sept. 1958

Monthly List of East European Accessions (EEAI), LV, Vol. 8, no. 7, July 1959  
Uncl.

JILEK, M.; LIKAR, O.; BERANEK, A.

Problems of practical determination of tolerance limits. p. 556.

PRURYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu)  
Praha, Czechoslovakia Vol. 10, no. 10, Oct. 1959

Monthly List of East European accession, (EEAI), IC, Vol. 8, No. 12, Dec. 1959  
Uncl.

S/044/62/000/003/050/092  
C111/C444

AUTHORS: Jilek Miloš, Likar Otakar

TITLE: Bounds of tolerance for the normal distribution

PERIODICAL: Referativnyy zhurnal, Matematika, no. 3, 1962, 12,  
abstract 3V55. ("Aplikace mat.", 1960, 5, no. 4,  
239-246)

TEXT: Given is a survey of the methods for the construction of the bounds of tolerance in case of the normal distribution, if (A) the bounds contain at least the part p of the basic lot with the probability P or if (B) they contain the part p in the mean. Considered are all cases, while the circumstance is regarded, whether the mean and the dispersion of the distribution is known or not. In the added tables the coefficients are given which are necessary for the construction of the bounds of tolerance for P, p=0,90; 0.59; 0.99 and for the number of observances n=5; 10; 20; 30; 50; 100.

[Abstracter's note: Complete translation.]

Card 1/1

BAZIKA, V.; JILEK, M.; RIEDL, O.

Kyase iontophoresis in the treatment of chronic venous and lymphatic insufficiency of the lower extremity. Cas.lek.cesk 100 no.29/30:  
897-890 14 Jl '61.

1. IV. interni klinika Fakulty všeobecného lekařství KU v Praze,  
prednosta prof. dr. M. Fucík. Ustřední výzkumný ústav potravinářského  
průmyslu, ředitel inž. F. Vones.

(HYALURONIDASE ther) (VASCULAR DISEASES PERIPHERAL)  
(LYMPHATIC dis)

ERBAK, V.; JILEK, M.; KUTA, Ad.

2 cases of Mibelli's porokerotosis (Case report contribution with an etiopathogenetic analysis). Cesk. derm. 36 no.1:51-54 F '62.

1. Dermato-venerologicke oddelenie OUNZ v Rimavskej Sobote, prednosta prim. dr. V. Erbak I. dermatovenerologicke klinika University Karlovy v Praze, prednosta prof. dr. K. Gawalowski.  
(SKIN diseases)

SPALA, Milan; RIEDL, Ota; KAOL, Jaromir; BABICKY, Arnost; JILEK, Milos

Effect of a high frequency field on the metabolism of bone tissue  
in rabbits. Incorporation of osteotropic radioisotopes. Cas. lek.  
cesk. 101 no.24/25:791-795 22 Je '62.

1. Ustav pro všeobecnou a pokusnou patologii lekarske fakulty KU v Praze, prednosta prof. dr. J. Hepner. IV interni klinika lekarske fakulty KU v Praze, prednosta prof. dr. M. Fucik. Radiologicke klinika lekarske fakulty KU v Praze, prednosta prof. dr. V. Svab. Izotopove laboratoare biologickych ustanu CSAV v Praze, reditel MUDr. K. Veres. Ustredni vyzkumny ustav potravinarskeho prumyslu v Praze, reditel inz. Fr. Vones.

(BONE AND BONES metabolism) (CALCIUM radioactive)  
(PHOSPHORUS radioactive) (MICROWAVES)

JILEK, Miloslav; NEUMANN, Emil

Contribution to erythema elevatum diutinum. Cesk. derm. 37 no.3:160-  
163 Je '62.

1. I. dermatovenerologicka klinika fakulty vseobecneho lekarstvi Karlovy  
university v Praze, prednosta prof. dr. J. Konopik, DrSc.  
(ERYTHEMA case reports)

RIEDL, O.; SPALA, M.; KACL, J.; KOLAR, J.; BABICKY, A.; JILEK, M.

Effect of prolonged application of a high-frequency wave on the incorporation of the osteotropic radioisotopes Ca45 and P32 into bone tissue of rabbits, Sborn. lek. 65 no. 12: 357-364 D '63.

1. IV. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta prof. dr. M. Fucik); Ustav pro vseobecnu a pokusnu patologii fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta doc. dr. T. Travnicek); Radiologicke klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta prof. dr. V. Svab); Izotopova laborator biologickych ustavu CSAV v Praze (reditel dr. K. Veres) a Mikrobiologicky ustav CSAV v Praze (reditel akademik I. Malek).

NIZNANSKA, J.; HOLAN,V.; JILEK,M.; TRNKA,J.; Technicka spoluprace: VOLJOVA,F.

Treatment of warts with liquid nitrogen. Cesk. derm. 39 no.1:  
59-63 F'64

I. I. dermatovenerologicka klinika fakulty vseobecneho lekarstvi  
KU v Praze (prednosta: prof.dr. J.Konopik, DrSc.) a Kozni oddel-  
leni OUNZ v Kladne (vedouci: MUDr. J.Niznanska).

JILEK,M.; KUTA,A.

Werner's syndrome. Clinical comparisons in histological picture of skin changes. Sborn. lek. 66 no.2:55-60 F'64.

I. I.dermato-venerologicka klinika fakulty vseobecneho lekarstvi University Karlovy v Praze; prednosta: prof.dr. J.Konopik, DrSc.

JILEK, M. Technicka spoluprace s DVORAK, B.

Presence of C-reactive protein in some dermatoses. Cesk. derm.  
39 no.4:249-255 Jl'64

1. I. dermatovenerologicka klinika fakulty vseobecneho lekarstvi  
KU [Karlov university] v Praze; prednosta : prof. dr. J.Konopik,  
DrSc.

JILEK, M.; TRNKA,J.; ZAHRADNICEK, O.

Favre-Racouchot disease. Cesk. derm. 29 no.3:1'73-175 My'64

1. I. dermatovo-venerologicka klinika fakulty vseobecneho lekarstvi KU [Karlov university] v Praze; prednosta: prof. dr. J. Konopik, DrSc.

STERZL, J.; PESAK, V.; KOSTKA, J.; JILEK, M.; with the technical cooperation of HOFMANOVA, B.

The relation between the bactericidal activity of complement and the character of the bacterial surfaces. Folia microbiol. (Praha) 9 no. 5:284-298 S '64.

1. Department of Immunology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague.4.

JILEK, M.

Etiological contribution to the differential diagnosis of  
nodose manifestations in lower extremities. Cesk. derm. 40  
no.6:393-397 D '65.

1. I. dermatovenerologicka klinika fakulty vseobecneho  
lekarstvi Karlovy University v Praze (prednosta prof. dr.  
J. Konopik, DrSc.).

JILEK, M.

Hypofunction of the thyroid gland in the pathogenesis and  
clinical picture of skin diseases. Cesk. derm. 40 no.4:  
270-277 Ag '65.

I. I. dermatovenerologicka klinika fakulty všeobecného  
lékarství Karlovy University v Praze (prednosta prof. dr.  
J. Konopík, DrSc.).

CZECHOSLOVAKIA

CHOTT, L.; DBALY, V.; JIRKA, M.; Internal Department, Military Hospital (Interni Oddeleni Vojenske Nemocnice), Plzen, Head (Nacelnik) Dr J. PAVEK; Laboratory Department, Military Hospital (Laboratorni Oddeleni Vojenske Nemocnice), Plzen, Head (Nacelnik) Dr J. VLASAK.

"Contribution to the Early Diagnosis of Duodenal Ulcers by the Determination of Serum Pepsinogen."

Prague, Casopis Lekaru Ceskych, Vol 105, No 38, 16 Sep 66, pp 1035 - 1037

Abstract: The authors investigated 110 recruits by the polarographic method of Janousek and determined the level of their serum pepsinogen. These men were followed through their complete periods of military duty; 5 cases of duodenal ulcers developed in these men; all of these cases showed an increased serum pepsinogen level by at least 17%. No similar cases were found among the men who did not have an increased level of serum pepsinogen. Large-scale investigation of this phenomenon is planned. 2 Figures, 1 Table, 1 Western, 1 Czech reference.

1/1

- 5 -

JILEK, Otakar

Control of economical use of the electric power in Czechoslovakia.  
Energetika Cz 12 no.8:405-406 Ag '62.

1. Statni planovaci komise, Praha.

ADAMEK, Milos; JILEK, Rudolf; KOMINEK, Jiri

Photocolorimetric method for determining the fat content in  
milk. Prum potravin 13 no.3:154-157 Mr '62.

1. Obvodni ustav narodniho zdravi Praha (for Adamek).
2. Vyzkumnny ustav zemedelsky, Brno (for Jilek). 2. Laktos,  
n.p., Praha (for Kominek).

JILEK, V. (Prom. Dr.)

CZECHOSLOVAKIA

JILEK, V., Prom. Dr.

Prague, Prakticky lekar, No 13-14, 1963, pp 555-556

"To Whom Should Health Data on Graduating Students be Given?"

PAUER, Vaclav, inz.; JILEK, Zdenek, inz.

Hydropneumatic suspension for the Skoda 9 Tr P trolley-bus.  
Automobil Cz 7 no. 3:69-72 Mr '63.

1. Leninovy zavody, Plzen.

ZELENKA, J.; JETEL, M.; JILKOVA, B.; POSPISIL, J.

Clinical experience with administration of tablets of V-penicillin  
for pneumonia and angina in children. Cesk.pediat.16 no.1:26-31  
Ja '61.

1. Detske oddeleni OUNZ v Chebu, primar MUDr. Jiri Zelenka.  
(PENICILLIN ther)  
(PNEUMONIA in inf & child)  
(TONSILLITIS ther)

ZELENKA, J.; SYROVY, J.; JILKOVÁ, B.

Colimycin--a new antibiotic. Česk. pediat. 20 no.9:814-816 S '65.

1. Detske oddeleni nemocnice s poliklinikou v Chebu (vedouci MUDr. J. Zelenka) a Detske oddeleni nemocnice s poliklinikou v Moravske Trebovce (vedouci J. Syrovy, prom. detsky lekar).

POSPISIL, J.; JILKOVÁ, B.; ZELENKA, J.; JETEL, M.

Studies on the blood penicillin level in infants and children  
after the administration of a single dose of phenoxyethylpenicillin  
and its potassium salts. Cesk.pediat.16 no.2:122-127 F '61.

1. Detske oddeleni GUNZ v Chebu, prednosta MUDr. Jiří Zelenka.  
(PENICILLIN blood)

ZELENKA, ., MUDr.,; TOMES, D.; NEPUSTIL, B.; JILKOVA, E.

Possible toxic effects of neomycin administered orally in  
infantile diarrhea. Cesk. pediat. 20 no.6:538-541 Ja'65.

1. Detske oddeleni Obvodniho ustavu narodniho zdravi v Chebu  
(vedouci: MUDr. J. Zelenka) a Klinika chorob krenich, usnich  
a nosnich lekarske fakulty University Karlovy v Plzni (pred-  
nostar prof. dr. F. Kotyza).

BARTL, Vladimir, dr.; JILKOVA, J.

Remark about the microbiological evaluation of some food products. Elelm ipar 16 no.8:228-233 Ag '62.

1. Allami Elelmiszerminosegellenorso Intezet, Prague, Czechoslovakia.

BARTL, Vladimir, RNDr.; MUZIKAR, Vilem, PhMr.; JILKOVA, Jirina, RNDr.

Food poisoning and how to prevent it. Prum potravin 16 no.1:  
32-37 Ja '65.

1. State Inspection of the Food Product Quality, Prague.  
Submitted August 23, 1964.

Country : CZECHOSLOVAKIA.

T

Category: Human and Animal Physiology. Metabolism.  
Water-salt Metabolism.

Abs Jcur: RZhBiol., No 19, 1958, 88546

Author : Hrabove, K.; Jilkova, Z.

Inst : -

Title : On the Problem of Hyperpotassemic Tetany.

Orig Pub: Casop. lekaru ceskych, 1957, 96, No. 33-34, 1062-1065.

Abstract: An analysis of 5 cases of hyperpotassemic tetany (HKT) observed by the authors, carried out according to the method of Fanconi and other newest concepts, led to the conclusion that the described cases of HKT should be considered as belonging to one of the usual etiological groups, rather than to primary HKT.

Card : 1/1

BALOGH, I.; BARKA, I.; DONHOFFER, S.; JILLY, P.; MESTYAH, G.

The acute action of antithyroid agents on the body temperature and O<sub>2</sub> consumption of the rat and analysis of its mechanism. Acta physiol. hung. 2 no.3-4:343-362 1951.  
(CJML 22:1)

1. Of the Institute of Pathophysiology of Pecc University.

JILLY, P. 1951

(Korelettani Intezere, U. of Pecs)

"Role of the Hypothalmus un the Acute Effect of Aminothieze A<sub>zole</sub> on Body Temperature and Oxygen Consumption."

Kiserl Orvostud. Budapest, 1951, 3/3(179-183)  
Abst: Exc. Med. 11. Vol. 5, No. 3, p. 360

JILLY, P.

BALOGH, L.; DARNA, I.; DONHOFFER, S.; JILLY, P.; MESTYAN, G.

The effect of small doses of thyroxine on the -consumption  
of normal, thyroidectomized and hypophysectomized rats. Zschr.  
Vitamin &c Forsch., Wien. 4 no.3:265-77 Aug 51. (CLL 22:3)

1. Of the Institute of Pathophysiology of Pecs University.

ISTVAN, Lajos, dr.; JILLY, Pongrac, dr.

Studies on the symptoms of hemophilia B (Christmas disease, or  
PTC deficiency. Orv. Hetil. 97 no.5:133-137 29 Jan 56.

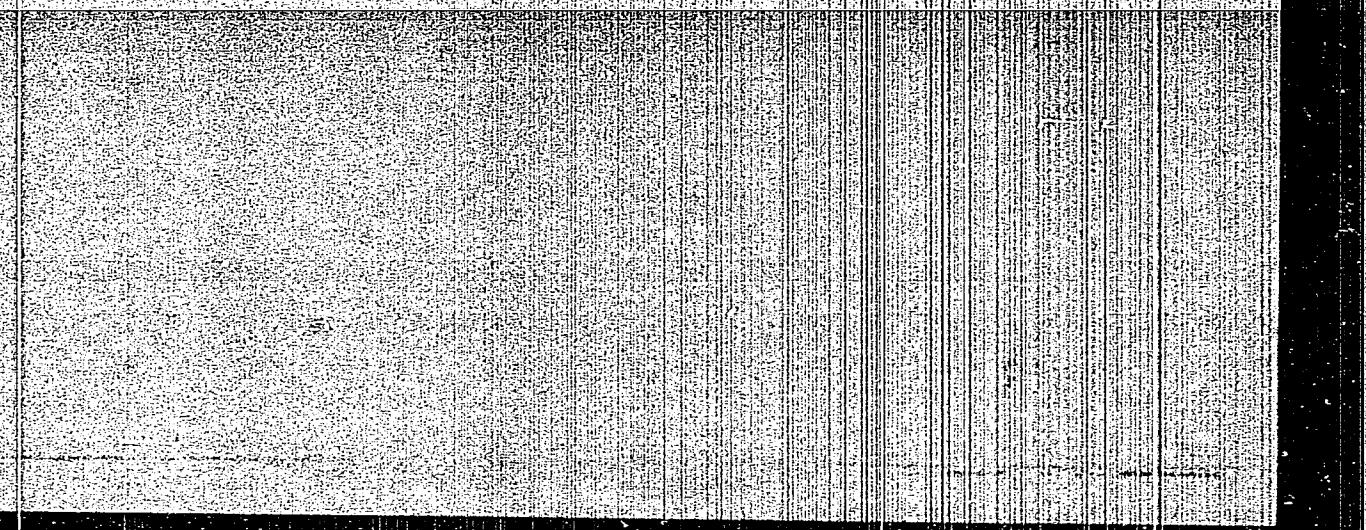
1. A Vasmagyei Tanacs Markusovszky, Korhaza (igaz.-foorvos;  
Svoboda Jeno dr.) Haematologiai Osztalyanak (foorvos: Istvan  
Lajos dr.) kozl.

(HEMOPHILIA

Christmas dis., differ. diag. & ther. (Hun))

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APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619620014-2"

ISTVAN, Lajos, dr.; JILLY, Pongrac, dr.; SZABOLCS, Zoltan, dr.

Experiences on surgical interventions in hemophilia. Orv.  
hetil. 98 no.5-6:106-110 10 Feb 57.

1. A Vasmegyei Tanacs "Markusovzky" Korhaza (Igazgato-Foorvos:  
Szvoboda, Jeno, dr.) Haematologiai (Foorvos: Istvan, Lajos, dr.)  
es I. sz. Sebeszeti Osztalyanak (Foorvos: Szabolcs, Zoltan, dr.)  
kozleménye.

(HEMOPHILIA  
surg. in (Hun))

EXCERPTA MEDICA Sec 15 Vol 12/4 Chest Diseases Apr 59

868. A CONTRIBUTION TO THE CLINICAL PICTURE OF ESSENTIAL  
PULMONARY HAEMOSIDEROSIS - Adatok az essentialis pulmonalis  
haemosiderosis körképéhez - Jilly P. and István L. Vasmegyei  
Tanács Markusovszky Kórháza Haematol. Osztály. Kózli. - ORV. MÉTIL.  
1958. 99/30 (1029-1036) Graphs 1 Illus. 3

A report on 2 cases of essential pulmonary haemosiderosis. In both cases the dominant features of the clinical picture were the iron- and liver-resistant anaemia with spontaneous remissions and periodical attacks of deterioration. The differential diagnosis of the haematological picture, the value of splenectomy and the various theories regarding the pathological mechanism are discussed.

Kellerman - Colchester (XV, 5, 6)

FLOREA, Valer, ing.; CIUPERCEANU, Vasile, ing.; JIMON, Eugen, ing.

Improved black enamel for the rim of household metallic hardware.  
Industria usoara 11 no. 8;431-432 Ag '64.

1. "Emailul rosu" Plant, Medias.

FLOREA, Vasile, ing.; CIUPERCEANU, Vasile, ing.; JIMON, Eugen, ing.

Considerations on the calculation and experimental determination  
of the coefficients of cubic dilatation of enamel granules. Industria  
usoara II no.10:545-548 O '64.

1. "Emailul rosu" Plant, Medias.

APPROVED FOR RELEASE: 08/10/2001

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COMINT REPORTS

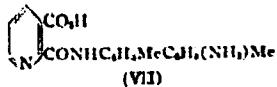
REF ID: A65202

*CA*  
 Reaction of  $\alpha$ -toluidine with certain aromatic compounds.  
 Ant. Jindra. Collection Czechoslov. Chem. Commun. 12, 181-183 (1947) (in French).—The reactions of  $\alpha$ -toluidine (I) with phthalic anhydride (II), bath (III), and quinolinic anhydride (IV) were studied. The reaction product of I and II (in equiv. proportions in the presence of concd.  $H_2SO_4$ ) was insol. in  $H_2O$ , aq. or alc.  $KOH$ ,  $AgCl$ , and other org. solvents, sol. in concd.  $HCl$ , and did not melt below 278°. From its couppn., it is believed that this substance is  $\text{C}_6\text{H}_4\text{N}(\text{R})-\text{O}-(\text{V})$ , where  $\text{R} =$



V acetylated with  $Ac_2O$  m. 201° (from 70% alc.). I and II fused and heated 1 hr. at 165° gave  $N,N,N',N'$ -disubstituted  $\alpha$ -toluidine, m. 332° (from  $Ac_2O$ ). Disatin-diphthaloyl- $\alpha$ -toluidine, m. 330°, was obtained by fusion of an equimol. mixt. of I and III, or by refluxing 3 hrs. a mixt. of 1 mol. of I, 1.5-2.0 mols. of III, and 30-60 mols. of  $Ac_2O$ . VI is formulated as  $(3,4\text{-MeRC}_6\text{H}_3)_2\text{N}-$ , where  $\text{R} = \text{C}_6\text{H}_4\text{NH.CO.C}(=\text{O})\text{N}-$ . VI was treated with  $Ac_2O$

and also with  $HCO_3H$ ; analysis of the products showed that 2 Ac groups or 2 formyl groups were introduced. The Ac deriv. did not melt below 200° and the formyl deriv. m. 257°. From I and IV dissolved in  $Ac_2O$  was obtained a product, m. 230° (decompn.) (from  $PhNO_2$ ), to which is assigned the structure VII. VII with  $Ac_2O$



yielded a di-Ac deriv., m. 385-8°, and with  $HCO_3H$  a mono-formyl deriv., m. 246-7°. Another product of the reaction of I and IV, m. 231°, is  $[3,4\text{-MeRC}_6\text{H}_3]_2\text{N}-$ , where R =  $\text{C}_6\text{H}_4\text{CO.N}-$ . A mixt. of I and IV in mol. proportions yielded a product, m. 245-8° (from  $PhNO_2$ ), assigned the structure of  $N$ -nucleotinyl- $\alpha$ -toluidine.

M. O. Webb

## ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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JINDRA A.

CZECHOSLOVAKIA/Chemistry - Photometry  
Morphine

Dec 50

181T11  
"Photometric Determination of Morphine Using Diazonium Salts," F. Balak, A. Jindra, Inst Phar Chem, Faculty Nat Sci, Charles U, Prague

"Casopis Ceskeho Lekarstvictva" Vol LXIII, No 9-12, pp 125-136

Diazonium salts react with morphine chloride in alk medium, producing morphine diazo dyes. Coloration solns are yellow or orange-brown, coloration being proportional to concn of morphine. Most suitable substances are m- and p-nitroaniline and solid derivs

CZECHOSLOVAKIA/Chemistry - Photometry Dec 50  
(Contd)

of their diazo salts. As coloration does not fully conform to Lambert-Beer's law, calibration curves are detd and morphine content of unknowns detd with sufficient accuracy by interpolation of these curves.

181T11

181T11

C  
J?

1308. Polarographic determination of several pharmaceutically important substances with  $\beta$ -diisobutylbenzenesulphonic acid. A. Jirka, R. Kalvoda and J. Zvika (Coll. Trans. Chem. Technol., 1960, 18, 797-806).—Various organic therapeutic agents having amino or phenolic character were titrated amperometrically in buffer solutions of pH 6-9 against  $\beta$ -diisobutylbenzenesulphonic acid in 50 ml. portions of 0.02M-solution, using -0.4V. with a dropping Hg cathode and saturated calomel anode. The following substances were investigated: sulphathiazole, sulphacetamide, morphine hydrochloride, apomorphine hydrochloride, laudanum hydrochloride, phenol, catechol, resorcinol, pyrogallol, phloroglucinol, orcinol, potassium guaiacol sulphonate, and arbutin in amounts ranging from 4 to 60 mg. Morphine hydrochloride was also determined amperometrically in mixtures with other drugs. J. S. Marx.

(A) JINDRA, A.

7

A new method for the determination of sulfamides. A.  
Jindra and P. Šipol (Charles Univ., Prague). *Chem. Listy*  
44: 235-8 (1950). --Sulfanilamides are hydrolyzed to sul-  
fanilic acid (I) and an amine. The hydrolysis is carried out  
with *N* HCl in sealed tubes at 100-20° and the product  
chromatographed on Amberlite IR-109. The sulfanilic acid  
is washed out with *N* HCl and titrated potentiometrically  
with KOH with *N* HCl and calomel electrodes. M. Hudlický

16

*Determination of alkaloids by exchange of ions.*  
Jindra and J. Polářský (Charles Univ., Prague). *Anal.*  
*Československá Lékařská 63*, 57-75 (1954); cf. *C.A.* 44, 84154d  
James L. Fral

CA

7

Hydrolysis of some sulfonamides  
Sips (Charles Univ., Prague) A.-Jindra and J.  
Casper Czechoslovakia

63, 211-13(1950)(English summary). Hydrolysis of several sulfonamides under various conditions, time (30-600 min.), and temp. (10-120°) was studied and followed by potentiometric detns. of the sulfonic acid isolated by the ion-exchange method. Cf. C.A. 45, 6399f. Ondříček Šebek

DA 17

The determination of sympathomimetic amines by use of  $\beta$ -nitroaniline. A. Hindri, V. Hampl, and J. Zíka (Univ. Prague). Českoslov. farm. 1, 70-85 (1952).—Some pharmaceutically important sympathomimetics contg. the phenol or pyrocatechol nucleus which react with diazotized  $\beta$ -nitroaniline to form azo dyes were detd. in alk. medium. The amines, pH of media, and wave length are given as follows: synephrine 9.2, 425 m $\mu$ ; Pefrolon (2- $\beta$ -hydroxyphenylisopropylamine) 8.7, 625 m $\mu$ ; adrenaline 8.7, 425 m $\mu$ ; and isadrine (1-(3,4-dihydroxyphenyl)-2-(isopropyl amino)ethanol) pH 8.2, 425 m $\mu$ . Since the color obtained did not exactly coincide with the Lambert-Beer law, calibration curves were established within the concn. limits of 0.05-0.3 mg./ml.

Dagmar Hubáková

17

CA

Analytical study of alkaloids in ipecacuanha root. I.  
Polarographic determination of cephaceline. A. Jindra, V.  
Jungo, and J. Žíká (Univ. Prague). *Ceskov. farm.* 1, 177-  
83 (1952).—The method is based on titration of cephaceline  
in an acid medium by means of sodium nitrate. The re-  
sulting ultra compd. (I) is quite stable and is reduced on the  
dropping-mercury electrode. The large amt. of emetine  
present does not interfere with the extr. after adding MeOH.  
II. Polarometric determination of cephaceline and emetine.  
*Ibid.*, 185-94.—*p*-Diazobenzenesulfonic acid (II) has been  
found suitable for polarometric titrations of derivs. of  
phenol and amines (cf. *Cas. čes. lékářst. a farn.* 63, 100  
(1950). *Collection Czechoslov. Chem. Comm.* 15, 757 (1940)).  
This method is based on the coupling reaction of these  
alkaloids with II (at pH 9), the 0.025 and 0.01 M solns. of  
which were used as volumetric solns. III. Possibilities of  
the colorimetric determination of cephaceline. *Ibid.*, 195-8.  
—The yellow to brown-orange coloring of I has been found  
suitable for colorimetric detn. (425 m $\mu$ ). The paper chro-  
matography of emetine and cephaceline in BuOH-AcOH  
mixt. is described. Dagmar Hubíková

CA

17

Vodník, J., V. Kolář, and A. Jindra (Univ. Prague).  
Českoslov. farm. 1, 204-6(1952).—General conditions are  
given.  
Dagmar Hubáčková

CP

*Bioanalytical Chemistry 1*

Polarometric determination of some quinoline derivatives. A. Jindra, V. Jungi, and J. Zýka (Univ. Prague). *Czechoslov. fém.* 1, 316-19 (1982).—Quine, 8-quinolinol, quinosol, K salt of 8-quinolinol sulfate, and quinosol-extra 8-quinolinol were titrated with 0.01 and 0.025 M solns. of  $\beta$ -dihydrobenzenesulfonic acid with a dropping-Hg electrode as a cathode. Attempts to det. the halogenated quinoline derivs. were unsuccessful. Jagmar Hubikova

*P. Jindra, M. Palková, J. Žíška*  
Electrophotometric study of some antipyretics. I. The determination of phenacetin, acetanilide, and lactophenol. A. Jindra, M. Palková, and J. Žíška (Univ. Prague). Československá farm. 1, 320-4 (1932).—The detn. is based on nitrosation in glacial AcOH, (lactophenol in H<sub>2</sub>SO<sub>4</sub>), and reaction with 1-naphthol in a buffered alk. medium. The red coloring depends on concn. Dagmar Hubíková

JINDRA, A.;PALKOVA, M.;ZYKA, J.

Electrophotometric studies on certain antipyretics; determination of  
antipyrine. Cesk. farm. 1 no.8:350-355 Sept 1952. (CIML 23:2)

1. Of the Institute of Pharmaceutical Chemistry of Charles University,  
Prague.

JINDRA, A.; HENTZ, J.

Ion exchange chromatography in the determination of sympathomimetic amines. Cesk. farm. 1 no. 11-12:625-630 1952. (CIML 24:1)

I, Of the Institute of Pharmaceutical Chemistry of Charles University, Prague.

JINDRA, A.;MOTL, O.

Ion exchange chromatography in determination of antihistaminics.  
Cesk. farm. 1 no. 11-12:632-637 1952. (CIML 24:1)

1. Of the Institute of Biochemistry of Charles University, Prague.

17

CA

Determination of local anesthetics by ion exchange. A.  
Jindra and J. Renta (Charles Univ., Prague). *J. Farmakol.* 4, 615-7 (1952).—The acid component of local  
anesthetics (20-50 mg.) is adsorbed on a column of 8-10 g.  
of Amberlite IRA-400 from soln. in 20 ml. of a mixt. of  
H<sub>2</sub>O<sub>2</sub>, and 93% BrOH 15 ml., and the bases are eluted with  
30 ml. of hot BrOH(96%) and titrated with 0.1 N HCl.  
The method is applied successfully to procaine, lidocaine,  
tetracaine, neopercaine, amylcaine, amethocaine, and di-  
caine. Most deviations from the theoretical content were  
less than 0.5%. Procaine-HCl ointment by extd. with hot  
H<sub>2</sub>O:BrOH(1:1) and the ext. passed through the column  
as above. The results with 2-g. samples (40 mg. of compd.)  
were 95.1 and 96.0% of the theoretical concn. The pres-  
ence of an electrolyte is a disturbing factor as the H<sub>2</sub>O:  
BrOH soln. is more basic when the anion has been re-  
moved. Cf. Jindra and Pohorsky, *C.A.* 45, 7399b.  
S. W. Goldstein

BULTAS, Z.; JINDRA, A.; ZYKA, J.

Electrophotometric determination of 8-quinolinol and its pharmaceutical derivatives. Cesk. farm. 2 no. 3:80-84 Mar 1953. (CLML 24:4)

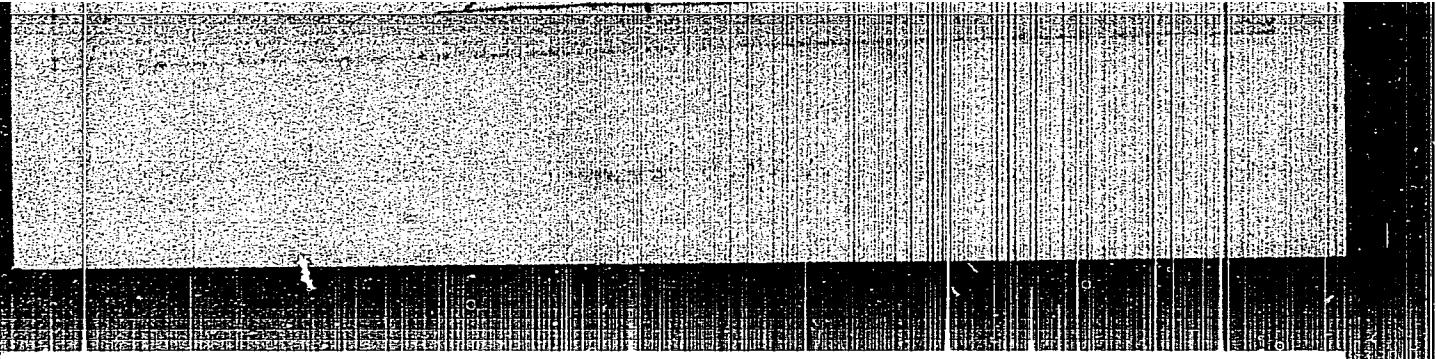
1. Of the Institute of Pharmaceutical Chemistry of Charles University, Prague.

**C Z E C H**

✓ 163. Gas-chromatographic analysis of tablets and capsules. A. India and O. Muttic-Groen. Farmaco, 1953, 10 (Suppl. 1), 277-280; 24, Chem., 1954, Abstr. No. 16,000. This method of Björling (Farm. Revy, 1950, 48, 38) is applied to commercial preparations containing hydrochloride of dihydrothalazine hydrochloride, "Thalidom" (carbamphen), Syntropin and Trasentin. Tablets or capsules containing 20 to 100 mg of compound are treated

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Jindra, A.

Ion exchangers in pharmacy. A. Jindra and O. M. [illegible]  
(Charles Univ., Prague). *Pharmazie* 3, 377-382 (1953). —  
a review with 74 references. G. M. Hoxter [illegible]

JINDRA, A.; BOSWART, J.; KUCMRA, M.; HORAK, P.

Determination of tropa alkaloids in drugs. Cesk.farm. 3 no.4:  
131-133 Ap '54.

1. Z Vyzkumneho ustavu lecivych rostlin (VULERO) v Praze.  
(ALKOLOIDS, determination,  
\*in drugs)

JINDRA, A.; BOSWART, J.

Study on the use of vanillin reaction in determination of isonicotinhydrazide. Cesk. farm. 3 no.8:278-280 Oct 54.

1. Z biochemickeho ustavu university Karlove v Praze  
(NICOTINIC ACID ISOMERS, determination  
isoniasid, use of vanillin reaction)  
(VANILLIC ACID  
reaction in determ. of isoniasid)

KOSTIR, J.; JINDRA, A.; HRAHETOVA, E.

Metalloproteins. I. Inhibition of ascorbate with dimercaptopropanol.  
Cesk. farm. 4 no.1:17-20 Jan 55.

1. Z biochemickeho ustavu university Karlovy.  
(OXIDASES,  
ascorbate, inhib. with BAL)  
(DIMERCAPROL, effects,  
ascorbate inhib.)

4L11VDRH

CZECHOSLOVAKIA/General Problems. Methodology. History. A-1  
Scientific Institutions and Conferences. Teaching.  
Problems of Bibliography and Scientific Documenta-  
tion

Abs Jour: Ref Zhur-Khimiya, No 5, 1957, 14300

Author : Lindra

Inst : -

Title : On the Teaching of Chemistry in Higher Educational  
Institutions.

Orig Pub: Ceskosl. farmac. 1956, 5, No 6, 380-382

Abstract: Account of the work done at the conference convoked by  
the chemical section of the Czechoslovak Academy of  
Sciences (17-18 May 1956). Problems of progressive  
study of chemical disciplines by the years of instruc-  
tion and by specialized application (particularly in the  
pharmaceutical specialty).

Card 1/1

CZECHOSLOVAKIA / Chemical Compounds, Chemical Products H  
and Their Applications. Pharmaceuticals. Vitamins.  
Antibiotics.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12803.

Author : Boswart, Jiri; Jindra, Antonin.

Inst : Not given.

Title : Use of Ion-Exchange Resins in the Chemistry of  
Alkaloids. III. Study of the Separation of Mor-  
phine from Opium.

Orig Pub: Ceskosl. farmac., 1957, 6, No 3, 145-147.

Abstract: Opium was extracted with hot water (HW), 1 n. HCl,  
with a solution of Ba(OH)<sub>2</sub> and CH<sub>3</sub>OH with 5% NH<sub>3</sub>.  
Extracts were passed through anionite levatite MN  
(L) and cationite vofatite F (V); the quantity of  
morphine (I) was investigated in the effluent, was  
eluted and I determined in the eluate. Results of  
the investigation showed that L completely absorbs

Card 1/2

60

Jindra, Shipal

CZECHOSLOVAKIA / Chemical Technology. Drugs. Vitamins. H  
Antibiotics.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74965.

Author : Jindra, Shipal.

Inst : Not given.

Title : A Photometric Determination of Gentisic Acid.

Orig Pub: Ceskosl. farmac., 1957, 6, No. 5, 268-270.

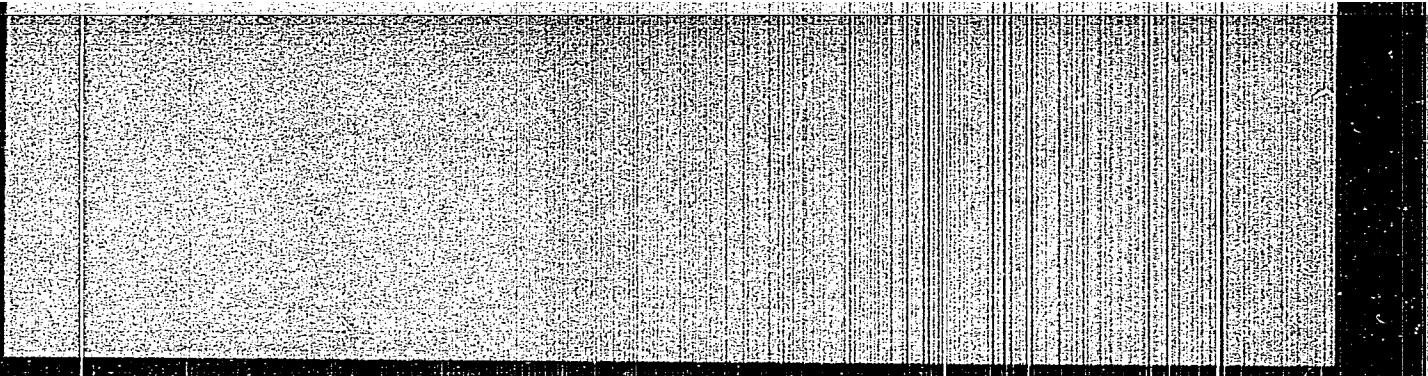
Abstract: The photometric determination of gentisic acid (I) is based on measuring the color intensity of the  $\text{Fe}^{2+}$  complex of  $\gamma, \delta'$ -dipyridyl which is formed by the reduction of  $\text{Fe}^{3+}$  with I. According to this method, I can be determined in tablets since the fillers that are present do not interfere.

Card 1/1

17

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[CZECHOSLOVAKIA]

Z. SIPAL and A. JINDRA [same affiliation as above]

"Study of Hydrolysis of Some Local Anesthetics in Liver Homogenate."

Prague, Ceskoslovenska Farmacie, Vol 12, No 1, Jan 1962; pp 29-31.

Abstract [English summary modified]: Hydrolysis of procaine, lidocaine, butacaine, butacaine and panthesine in rat liver homogenates: microsomal fraction has highest enzyme concentration; nuclei and mitochondria are less involved; cytoplasm inactive; rate parallel durations of activity of the drugs. Absorption spectrum, graph, 3 tables, 14 references: Czech thesis, 13 Western.

[A/1]